

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
 Trade name : **Ariel Powder Regular**
 Product code : PA00193564/PA00188531
 Product group : Trade product

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Intended for general public
 Main use category : Consumer uses: Private households (= general public = consumers)
 Function or use category : Washing and cleaning products (including solvent based products)

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Procter & Gamble UK Brooklands, Weybridge, Surrey, KT13 0XP, UK

Tel: 01932 896000 Fax: 01932 896200

Retail : sds.im@pg.com

Professional : info.uk@pg.com

1.4. Emergency telephone number

Emergency number : (UK) Emergency Tel: 0800 328 8304
 (IRL) Emergency Tel: 1800 509 497

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Eye Irrit. 2 H319

Full text of H-phrases: see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

Xi; R36

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



Signal word (CLP) : Warning
 Hazard statements (CLP) : H319 - Causes serious eye irritation
 Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand
 P102 - Keep out of reach of children
 P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 P337+P313 - If eye irritation persists: Get medical advice/attention
 EUH phrases : EUH208 - Contains Delta-Damascone. May produce an allergic reaction

2.3. Other hazards

Other hazards not contributing to the classification : No presence of PBT and vPvB ingredients.

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SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium Carbonate Peroxide	(CAS No) 15630-89-4 (EC no) 239-707-6 (REACH-no) 01-2119457268-30	10 - 20	O; R8 Xn; R22 Xi; R41	Ox. Sol. 3, H272 Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318
Sodium Carbonate	(CAS No) 497-19-8 (EC no) 207-838-8 (EC index no) 011-005-00-2 (REACH-no) 01-2119485498-19	10 - 20	Xi; R36	Eye Irrit. 2, H319
Sodium C10-13 Alkyl Benzenesulfonate	(CAS No) 68411-30-3 (EC no) 270-115-0 (REACH-no) 01-2119489428-22	10 - 20	Xn; R22 Xi; R41 Xi; R38	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 3, H412
Sodium Silicate	(CAS No) 1344-09-8 (EC no) 215-687-4 (REACH-no) 01-2119448725-31	5 - 10	Xi; R41 Xi; R37/38	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
C14-15 Pareth-7	(CAS No) 68951-67-7 (EC no) polymer	1 - 5	Xn; R22 Xi; R41 N; R50	Acute Tox. 4 (Oral), H302 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412
Citric Acid	(CAS No) 77-92-9 (EC no) 201-069-1 (REACH-no) 01-2119457026-42	1 - 5	Xi; R36	Eye Irrit. 2, H319

Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation	: IF INHALED: remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.
First-aid measures after skin contact	: IF ON SKIN: Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing. If skin irritation occurs: Get immediate medical advice/attention. Discontinue use of product.
First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation	: Coughing. sneezing.
Symptoms/injuries after skin contact	: Redness. Swelling. dryness. Itching.
Symptoms/injuries after eye contact	: Severe pain. Redness. Swelling. Blurred vision.
Symptoms/injuries after ingestion	: Oral mucosal or gastro-intestinal irritation. Nausea. Vomiting. Excessive secretion. Diarrhoea.

4.3. Indication of any immediate medical attention and special treatment needed

Refer to section 4.1.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO2).

5.2. Special hazards arising from the substance or mixture

Fire hazard	: No fire hazard. Non combustible.
Explosion hazard	: Product is not explosive.
Reactivity	: No dangerous reactions known.

5.3. Advice for firefighters

Firefighting instructions	: No specific firefighting instructions required.
Protection during firefighting	: In case of inadequate ventilation wear respiratory protection.

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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear suitable gloves and eye/face protection.

6.1.2. For emergency responders

Protective equipment : Wear suitable gloves and eye/face protection.

6.2. Environmental precautions

Consumer products ending up down the drain after use. Prevent soil and water pollution. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

For containment : Scoop solid spill into closing containers.

Methods for cleaning up : Small quantities of solid spill: wash down with water. Large spills: scoop solid spill into closing containers. This material and its container must be disposed of in a safe way, and as per local legislation.

Other information : Avoid contact with skin, eyes and clothing.

6.4. Reference to other sections

Refer to Sections 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with eyes. Use personal protective equipment as required. Avoid raising dust. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container. Refer to section 10.

Incompatible products : Refer to section 10.

Incompatible materials : Not applicable.

Prohibitions on mixed storage : Not applicable.

Storage area : Store in a cool area. Store in a dry area. Store away from heat.

7.3. Specific end use(s)

Cleaning/washing agents and additives.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Citric Acid (77-92-9)	
PNEC (Water)	
PNEC aqua (freshwater)	0.44 mg/l
PNEC aqua (marine water)	0.044 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	34.6 mg/kg dwt
PNEC sediment (marine water)	3.46 mg/kg dwt
PNEC (Soil)	
PNEC soil	33.1 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	34.6 mg/l

Sodium Carbonate (497-19-8)	
DNEL/DMEL (Workers)	
Long-term - local effects, inhalation	10 mg/m ³
DNEL/DMEL (General population)	
Acute - local effects, inhalation	10 mg/m ³

Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	170 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	12 mg/m ³
Long-term - local effects, inhalation	12 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.85 mg/kg bodyweight/day

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Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
Long-term - systemic effects, inhalation	3 mg/m ³
Long-term - systemic effects, dermal	85 mg/kg bodyweight/day
Long-term - local effects, inhalation	3 mg/m ³
PNEC (Water)	
PNEC aqua (freshwater)	0.268 mg/l
PNEC aqua (marine water)	0.0268 mg/l
PNEC aqua (intermittent, freshwater)	0.0167 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	8.1 mg/kg dwt
PNEC sediment (marine water)	8.1 mg/kg dwt
PNEC (Soil)	
PNEC soil	35 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	3.43 mg/l

Sodium Silicate (1344-09-8)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	1.59 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	5.61 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	0.8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.38 mg/m ³
Long-term - systemic effects, dermal	0.8 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	7.5 mg/l
PNEC aqua (marine water)	1 mg/l
PNEC aqua (intermittent, freshwater)	7.5 mg/l
PNEC (STP)	
PNEC sewage treatment plant	348 mg/l

Sodium Carbonate Peroxide (15630-89-4)	
DNEL/DMEL (Workers)	
Acute - local effects, dermal	12.8 mg/cm ²
Long-term - local effects, inhalation	5 mg/m ³
DNEL/DMEL (General population)	
Acute - local effects, dermal	6.4 mg/cm ²
PNEC (Water)	
PNEC aqua (freshwater)	0.035 mg/l
PNEC (STP)	
PNEC sewage treatment plant	16.24 mg/l

8.2. Exposure controls

Appropriate engineering controls	: Not applicable.
Personal protective equipment	: Protective personal equipment only required in case of professional use or for large packs (not for household packs). For consumer use please follow recommendation as indicated on the label of the product.
Hand protection	: Not applicable.
Eye protection	: Wear eye/face protection.
Skin and body protection	: Not applicable.
Respiratory protection	: Not applicable.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Solid.
Colour	: White with coloured speckles.
Odour	: pleasant (perfume).
Odour threshold	: No data available
pH	: 10.49
pH solution	: 1 %

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Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: Not available
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not applicable
Auto-ignition temperature	: Not available
Decomposition temperature	: Not available
Flammability (solid, gas)	: Not flammable
Vapour pressure	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: No data available
Density	: 636 g/l
Solubility	: Soluble in water.
Log Pow	: No data available
Log Kow	: No data available
Viscosity	: Not applicable
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

Not required for normal conditions of use.

10.5. Incompatible materials

Not applicable.

10.6. Hazardous decomposition products

None under normal use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

ARIEL ESSENTIAL	
LD50 oral calculated	> 2000 mg/kg
ATE CLP (oral)	500 mg/kg bodyweight

Citric Acid (77-92-9)	
LD50 oral calculated	5.4 g/kg OECD 401
LD50 dermal rat	2001 mg/kg OECD 402
ATE CLP (oral)	5400 mg/kg bodyweight
ATE CLP (dermal)	2001 mg/kg bodyweight

Sodium Carbonate (497-19-8)	
LD50 oral calculated	2800 mg/kg
LD50 dermal rabbit	2001 mg/kg
ATE CLP (oral)	2800 mg/kg bodyweight
ATE CLP (dermal)	2001 mg/kg bodyweight

Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
LD50 oral calculated	1080 mg/kg OECD 401
LD50 dermal rat	2001 mg/kg OECD 402
ATE CLP (oral)	1080 mg/kg bodyweight

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Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
ATE CLP (dermal)	2001 mg/kg bodyweight

Sodium Silicate (1344-09-8)	
LD50 oral calculated	3400 mg/kg OECD 401
LD50 dermal rat	5000 mg/kg
LC50 inhalation rat (mg/l)	5.01 mg/l
ATE CLP (oral)	3400 mg/kg bodyweight
ATE CLP (dermal)	5000 mg/kg bodyweight
ATE CLP (vapours)	5.010 mg/l/4h
ATE CLP (dust,mist)	5.010 mg/l/4h

Sodium Carbonate Peroxide (15630-89-4)	
LD50 oral calculated	893 mg/kg
LD50 dermal rabbit	2001 mg/kg
ATE CLP (oral)	893 mg/kg bodyweight
ATE CLP (dermal)	2001 mg/kg bodyweight

C14-15 Pareth-7 (68951-67-7)	
LD50 oral calculated	1700 mg/kg
LD50 dermal rat	2001 mg/kg
ATE CLP (oral)	1700 mg/kg bodyweight
ATE CLP (dermal)	2001 mg/kg bodyweight

Skin corrosion/irritation	: Not classified pH: 10.49
Serious eye damage/irritation	: Causes serious eye irritation. pH: 10.49
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
NOAEL (chronic, oral, animal/male, 2 years)	350 mg/kg bodyweight
NOAEL (chronic, oral, animal/female, 2 years)	350 mg/kg bodyweight

Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Acute Toxicity: based upon available data of the substances, classification criteria are not met. Carcinogenicity: based upon available data of the substances, classification criteria are not met. Corrosivity: based upon available data of the substances, classification criteria are not met. Irritation: severely irritant to eyes. Mutagenicity: based upon available data of the substances, classification criteria are not met. Repeated Dose Toxicity: based upon available data of the substances, classification criteria are not met. Sensitization: based upon available data of the substances, classification criteria are not met. Toxicity for Reproduction: based upon available data of the substances, classification criteria are not met.
Other information	: Likely routes of exposure: skin and eye. Information on Effects: refer to section 4.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	: No known adverse effects on the functioning of water treatment plants under normal use conditions as recommended. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
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Citric Acid (77-92-9)	
LC50 fishes 1	440 ml/l OECD 203, <i>Leuciscus idus melanotus</i>
LC50 other aquatic organisms 1	485 mg/l <i>Entosiphon sulcatum</i>
EC50 Daphnia 1	1535 mg/l <i>Daphnia magna</i>
NOEC (chronic)	> 10000 mg/l <i>Pseudomonas putida</i>
NOEC chronic algae	425 mg/l <i>Scenedesmus quadricauda</i>

Sodium Carbonate (497-19-8)	
LC50 fishes 1	300 mg/l

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Sodium Carbonate (497-19-8)	
EC50 Daphnia 1	200 mg/l

Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
LC50 fishes 1	1.67 mg/l <i>Lepomis macrochirus</i>
EC50 Daphnia 1	2.9 mg/l OECD 202; <i>Daphnia magna</i>
ErC50 (algae)	127.9 mg/l <i>Desmodesmus subspicatus</i>
NOEC chronic fish	0.23 mg/l <i>Oncorhynchus mykiss</i>
NOEC chronic crustacea	1.18 mg/l <i>Daphnia magna</i>
NOEC chronic algae	2.4 mg/l <i>Desmodesmus subspicatus</i>

Sodium Silicate (1344-09-8)	
LC50 fishes 1	1108 mg/l OECD 203, <i>Brachydanio rerio</i> ,
EC50 Daphnia 1	1700 mg/l <i>Daphnia magna</i>
EC50 other aquatic organisms 1	> 348 mg/l <i>Pseudomonas putida</i>
ErC50 (algae)	207 mg/l <i>Scenedesmus subspicatus</i>

Sodium Carbonate Peroxide (15630-89-4)	
LC50 fishes 1	70.7 mg/l
EC50 Daphnia 1	4.9 mg/l
NOEC chronic crustacea	2 mg/l

C14-15 Pareth-7 (68951-67-7)	
LC50 fishes 1	1 mg/l
EC50 Daphnia 1	1 mg/l
ErC50 (algae)	1 mg/l

12.2. Persistence and degradability

Citric Acid (77-92-9)	
Persistence and degradability	The substance is biodegradable. Unlikely to persist.
Biodegradation	97 % OECD 301 B

Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
BOD (% of ThOD)	85 % ThOD OECD 301 B

12.3. Bioaccumulative potential

Citric Acid (77-92-9)	
Bioconcentration factor (BCF REACH)	3.2
Log Pow	-1.8

Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
BCF fish 1	2 - 1000 l/kg
Bioconcentration factor (BCF REACH)	1000
Log Pow	3.32
Bioaccumulative potential	Not expected to bioaccumulate due to the low log Kow (log Kow < 4).

Sodium Silicate (1344-09-8)	
Bioaccumulative potential	Not measured.

12.4. Mobility in soil

Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	
Log Koc	3.5

12.5. Results of PBT and vPvB assessment

ARIEL ESSENTIAL	
Results of PBT assessment	No presence of PBT and vPvB ingredients
Component	
Citric Acid (77-92-9)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Dodecylbenzene Sulfonic Acid (85536-14-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sodium C10-13 Alkyl Benzenesulfonate (68411-30-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sodium Silicate (1344-09-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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Component	
Zeolite (1318-02-1)	PBT: not relevant – no registration required vPvB: not relevant – no registration required
Tetrasodium Etidronate (3794-83-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sodium Carbonate Peroxide (15630-89-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Brightener 15 (16090-02-1)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Sulfuric Acid (7664-93-9)	PBT: not relevant – no registration required vPvB: not relevant – no registration required

12.6. Other adverse effects

Other information : No other effects known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.

Waste disposal recommendations : The waste codes/waste designations below are in accordance with EWC. Waste must be delivered to an approved waste disposal company. The waste is to be kept separate from other types of waste until its disposal. Do not throw waste product into the sewer. Where possible recycling is preferred to disposal or incineration.
. For handling waste, see measures described in section 7. Empty, uncleaned packaging need the same disposal considerations as filled packaging.

EURAL Waste code product : 20 01 29* - detergents containing dangerous substances
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

14.1. UN number

Not applicable

14.2. UN proper shipping name

Not applicable

14.3. Transport hazard class(es)

Not applicable

14.4. Packing group

Not applicable

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1. EU-Regulations

No REACH Annex XVII restrictions

Contains no substance on the REACH candidate list

CESIO recommendations

: The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources

: Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]. On basis of test data.

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Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.
Salts listed in Section 3 without a REACH Registration number are exempt, based on Annex V

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — AcuteHazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Ox. Sol. 3	Oxidising Solids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H272	May intensify fire; oxidiser
H302	Harmful if swallowed
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H400	Very toxic to aquatic life
H412	Harmful to aquatic life with long lasting effects
R22	Harmful if swallowed
R36	Irritating to eyes
R37/38	Irritating to respiratory system and skin
R38	Irritating to skin
R41	Risk of serious damage to eyes
R50	Very toxic to aquatic organisms
R8	Contact with combustible material may cause fire
N	Dangerous for the environment
O	Oxidising
Xi	Irritant
Xn	Harmful

SDS P&G CLP

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product